DOCUMENT RESUME

ED 207 547 IR 009 658

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TITLE Bibliographic Materials Fund Allocation Formula in Use at Radford University.
INSTITUTION Radford Univ., Va.
PUB DATE 29 Jun 81
NOTE 19p.; Charts may not reproduce.

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS Charts; College Libraries; Higher Education; *Library Acquisition; *Library Collections; *Library Expenditures; *Library Materials; *Resource Allocation
IDENTIFIERS *Funding Formulas; Radford University VA

ABSTRACT

Developed by Radford University to overcome the inadequacies of an acquisition allocation system based on faculty demand, this updated allocation formula considers factors of undergraduate credit person hours, number of declared undergraduate majors, graduate credit person hours, number of graduate majors, average cost weighting, importance of books over serials, and local library use, to produce an allocation index for the purchase of library materials for a given subject field. Eleven charts are presented to illustrate the application of the formula to the 1981-82 academic year funding allocations. The evolution of the formula is traced from its original use during the 1975-76 academic year. (RAA)

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BIBLIOGRAPHIC MATERIALS FUND ALLOCATION FORMULA IN USE AT RADFORD UNIVERSITY

Prepared by:

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Assistant Director
for
Technical Services

June 29, 1981

IR009658

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TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

I. INTRODUCTION

The present system for allocation of "book" funds to academic departments was first used in fiscal year 1975-76. Prior to that time, expenditures of book funds were based primarily on the numbers of requests generated by the faculty of a given department. It was realized, however, that this system, driven by the bibliographic interests of faculty, did not match the actual campus curriculum. In order to correct this problem, Fred Heath and Gary Lewis developed an allocation formula in early 1975. The formula was designed to measure the relative importance of various curricula at Radford, and to use this data along with other factors to arrive at an equitable distribution of funds. A guiding principle for the use of the formula was that the curriculum and the number of students following that curriculum were to be the important factors in distribution of funds. While it was recognized that teaching faculty are the individuals who know what library materials best support their efforts, many faculty did not have enough library interest to request library materials. It was felt that the responsibility for library support rested upon the Library instead of the faculty, and that the students deserved equitable support for educational programs regardless of faculty interest.

The original formula was altered little in its use through fiscal year 1980-81. That formula is outlined in Mr. Heath's memo of August 28, 1979 (Attachment A).

This document details the formula to be used beginning with fiscal year 1981-82. Sources of information and details of calculation are given. It should be noted that while the new formula incorporates several new variables and computational changes, it is conceptually the same as the original formula.

II. VARIABLES OF THE FORMULA

The Bibliographic Materials Fund allocation formula contain 8 variables detailed below. Overall computations and rationale for the formula are presented in Section III.

A. VARIABLE A: Undergraduate Credit-Person Hours

This variable is the total number of individuals registered for classes taught multiplied times the number of credit hours for each course taken. The source of this information is the computer report entitled "Class Taught by Term," available from the Institutional Research Office. Chart 1 shows the raw score data for each fund for 1981-82. Variable A values are index values determined by dividing each fund's raw score by the largest raw score in the data.

$$A = \frac{\text{Raw score}}{\text{Largest raw score}}$$

This computational method yields a range of 0 to 1.00 for Variable A.

B. VARIABLE B: Number of Declared Undergraduate Majors

Variable B is the number of undergraduate students who have declared majors affiliated with the particular department. The source of this data is a report entitled "Enrollment According to Classification and Major," available from the Institutional Research Office. Raw scores are the total numbers of students for all majors handled by the academic department. Raw scores are converted to index values in the same manner as Variable A; by dividing each raw score by the largest of the raw scores. Chart 2 shows the data for Variable B for fiscal year 1981-82.

C. VARIABLE C: Graduate Credit-Person Hours

The total number of individuals registered for graduate classes times the number of credit hours for each course taken makes up Variable C. This information is available on the computer printout "Class Taught by Term." Chart 3 displays this data for fiscal year 1981-82. Index values for each department are computed the same way as Variables A and B.

D. VARIABLE D: Number of Graduate Majors

Variable D measures the number of graduate students who are majors in programs administered by each department. This information is found in the report entitled "Enrollment According to Classification and Major." Index values are computed in the same manner as the preceeding 3 variables. Data for fiscal year 1981-82 is displayed in Chart 4.

E. VARIABLE E: Average Cost Weighting

This Variable is based on the average cost per item for books in the various academic disciplines. The source of this information is The Bowker Annual. The data is displayed on a chart entitled "Average Per-Volume Prices of Hardcover Books, ...". Index values for each subject area are computed by dividing each average price listed by the largest average price listed. Chart 5 shows this data for fiscal year 1981-82.

F. VARIABLE F: Publishing Oupput Weighting

Variable F is an index value which reflects the book publishing output of the various academic disciplines. The source for the raw data of this Variable is the table. "American Book Title Output" in The Bowker Annual. Index values ranging from 1.2 to 1.8 were established to correspond to the data in the table. The weight values for Variable F for fiscal year 1981-82 is shown on Chart 6.

G. VARIABLE G: Importance of Books over Serials

This new variable has just been added to the formula for the first time for fiscal year 1981-82. Since serials funding will be increased overall for this new fiscal year, Variable G attempts to decrease funding selectively by departments for those for whom serials are more important than monographs. Index values ranging from .5 to 1.00 were selected by the Materials Selection Committee based on conversations with department chairmen, and the Committee's knowledge of library use in subject fields. Chart 7 shows the values for Variable G used in fiscal year 1981-82.

H. VARIABLE H: Local Library Use

This new variable adjusts the formula for use of the library. Index values ranging from .5 to 2.0 are selected by the Materials Selection Committee based on examination of circulation data and the experiences of library staff. Chart 8 shows the values of variable H used in fiscal year 1981-82.

III. THE FORMULA AND CALCULATIONS

Calcualations for the allocation index value (V) follow the formula below.

$$V = [(A + B) + 2 (C + D)] [E] [F] [G] [H]$$

The quantity (A + B) adds together index values which indicate the number of undergraduate credit-person hours and majors. This quantity measures the strength of the undergraduate program. The quantity (C + D) adds together graduate credit-person hours and majors, reflecting the strength of the graduate program for that department. The quantity (C + D) is doubled and added to A + B to create a composite value for the relative strength of the department's educational program. The quantity (C + D) is doubled in the formula because it is believed that graduate courses require, in general, twice the library support of undergraduate courses.

The composite value [(A + B) + 2 (C + D)] is multiplied by the four Variables E, F, G, and H. Factor E adjusts the formula for differences in costs of books in various subject fields. Factor F adjusts the formula because of the broad differences in the publishing output of the various disciplines. Hypothetically, if two subject fields were to receive equal library support, one would hope that each would acquire the same proportion of the total number of titles published in the field. This variable modifies the formula to compensate for the broad variation in the number of new titles published in each field. Factor G adjusts the formula because the relative importance of books over serials varies for departments. This factor reduces the book allocation in those fields which make strong demands on the serials budget. Variable H adjusts the formula because the particular teaching methods used by the various academic departments at Radford University vary significantly. Those who traditionaly place greater demands on the library for curriculum support have been adjusted upward in funding. Charts 9 and 10 shows the calcualation of the allocation index value (V) for fiscal year 1981-82.

After the allocation index values have been computed for each fund, these values must be converted to percentages for application to funding. The index values are converted by dividing each fund's index value by the total of all index values. Chart 11, the final allocation summary, shows the funding percentages for fiscal year 1981-82.

For the upcoming fiscal year, $70,000 is available for faculty allocations. Column 3 on Chart 11 shows application of the funding percentage to $60,000. This figure was used in order to leave $10,000 in reserve for the minimum funding adjustments.

The literature makes frequent reference to the principle that a certain degree of funding is necessary for teaching an academic discipline, regardless of the number of students in the program. On an absolute scale, it is very probable that all of our allocations do not meet minimum funding levels. Our Library's application of this principle is that we select a certain level of funding and bring all departments below that figure to that level. For fiscal year 1981-82 minimum funding adjustments are shown in column 4 of Chart II. Note that the fund with the largest funding was adjusted down by $800 to bring the total adjustments to exactly $10,000.

ATTACHMENT A

RADFORD COLLEGE
RADFORD, VIRGINIA 24142

4E LIBRARY

TELEPHONE (703) 731-5472

MEMORANDUM FOR THE RECORD

FROM: Fred Heath, Assistant Director

DATE: August 28, 1979

SUBJECT: Departmental Allocations

During the week of August 20 - 24, the departmental and developmental allocations were determined. The amounts allocated to each of the funds in the latter category is basically that approved in the MSC document "Tentative Allocations of 38430 Funds" approved July 11, 1979. Restructuring of the Education Departments required that the EDSD code ($2,000) be split into two $1,000 allotments (EALD, ECSD).

Departmental allocations were determined from a formula which has two driving factors: the number of credit hours generated by each department (weighted by level) and the number of majors that can be attributed to the same (weighted by graduate and undergraduate). In addition there are three weighting factors, varying in impact, which also affect the outcome.

The first of the weighting factors is the size of the graduate program within the department. (Departments with no graduate majors of their own, but operating support programs receive a small additional weight.) A second weighting factor is the cost of materials within each field. By allowing slight additional weights, the library attempts to compensate for differences in materials prices (which vary widely). The final weighting variable is a function of availability: in some field there is more relevant printed material than in others.

The two driving factors (credit hours and majors) are derived from 1978-79 data obtained from institutional research, as is the first weighting variable (size of the graduate program). The materials cost variable is based upon 1977-78 acquisitions data, as that information is not available from last year. Materials availability data is drawn from an analysis of the 1977 Book Publishing Record and from weights used in the Virginia Maintenance Formula (VMF).

The allocation formula can be expressed as follows:

A = Index value of weighted credit hours compiled by the department (Range: 3-100)
B = Index value of weighted declared majors attributable to each department (Range 1-100)
C = Weight expressing size of the graduate program (Range 1 - 1.5)
D = Weight expressing materials cost (Range 1-1.5)
E = Weight expressing materials availability (Range 1.1 - 2.0)

$$(A+B)\ (C)\ (D)\ (E) = T$$

The result (T) is then expressed as a percentage for each department, with each then receiving a proportionate share of the $56,000 available for allocation (see Chart #4 attached). An additional $6,000 was applied to bring all departments up to a minimum funding level of $1,000. With minor additions and deletions to correct for extremes, final allocations were derived (See Chart #5 attached). This data was then provided to Technical Services for reformatting and dissemination to members of the MSC (see "Funds and Allocations for Fiscal Year 1979-80" attached).

Departments will be apprised of their allocations the first week in September.

FMH/kn

CC: Joyce Bruns
Gary Lewis
Larry Pollard
Ed Huber
Doris Hendrickson
File

VARIABLE A: UNDERGRADUATE CREDIT-PERSON HOURS

CHART 1

ALLOCATION FORMULA, FY 1981-82

FUND CODE	DEPARTMENT	RAW SCORES	VARIABLE A = RS/7706
ARTF	ART	2595	.34
BIOF	BIOLOGY	3692	.48
BUSF	BUSINESS	7706	1.00
CHMF	CHEMISTRY	1639	.21
COMF	COMMUNICATION DISORDERS	1381	.18
DANF	DANCE	545	.07
EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	18	.01
ECOF	ECONOMICS	2466	.32
ECSF	EDUCATION, COUNSELING & STUDENT DEVELOPMENT	162	.02
EHSF	EDUCATION, HUMAN SERVICES	771	.10
EISF	EDUCATION, INSTRUCTIONAL SUPPORT	919	.12
ENGF	ENGLISH	6928	.90
ETEF	EDUCATION, TEACHER EDUCATION	1462	.19
FNLF	FOREIGN LANGUAGE	1244	.16
GGRF	GEOGRAPHY	1189	.15
GLGF	GEOLOGY	1691	.22
HECF	HOME ECONOMICS	1860	.24
HISF	HISTORY	3441	.45
HPEF	HEALTH & PHYSICAL EDUCATION	3148	.41
JSTF	JOURNALISM, SPEECH & TELEVISION	1393	.18
MATF	MATH	6707	.87
MUSF	MUSIC	3066	.40
NURF	NURSING	1419	.18
PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	1482	.19
PHRF	PHILOSOPHY & RELIGION	1314	.17
PHYF	PHYSICAL SCIENCE	1268	.16
PSYF	PSYCHOLOGY	5657	.73
RECF	RECREATION	1379	.18
SOCF	SOCIOLOGY	3252	.42
SWKF	SOCIAL WORK	786	.10
THRF	THEATRE	794	.10
		71043	

RAW SCORE
RANGE = 18 - 7706
MEAN = 2291
σ = 1993

VARIABLE B: NUMBER OF DECLARED UNDERGRADUATE MAJORS

CHART 2

ALLOCATION FORMULA, FY 1981-82

	FUND CODE	DEPARTMENT	RAW SCORES	VARIABLE B = RS/1269
1	ARTF	ART	133	.10
2	BIOF	BIOLOGY	106	.08
3	BUSF	BUSINESS	1269	1.00
4	CHMF	CHEMISTRY	28	.02
5	COMF	COMMUNICATIONS DISORDERS	88	.07
6	DANF	DANCE	30	.02
7	EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	0	0
8	ECOF	ECONOMICS	29	.02
9	ECSF	EDUCATION, COUNSELING & STUDENT DEVELOPMENT	0	0
10	EHSF	EDUCATION, HUMAN SERVICES	211	.17
11	EISF	EDUCATION, INSTRUCTIONAL SUPPORT	18	.01
12	ENGF	ENGLISH	57	.04
13	ETEF	EDUCATION, TEACHER EDUCATION	350	.28
14	FNLF	FOREIGN LANGUAGE	26	.02
15	GGRF	GEOGRAPHY	32	.03
16	GLGF	GEOLOGY	30	.02
17	HECF	HOME ECONOMICS	216	.17
18	HISF	HISTORY	48	.04
19	HPEF	HEALTH AND PHYSICAL EDUCATION	153	.12
20	JSTF	JOURNALISM, SPEECH & TELEVISION	223	.18
21	MATF	MATH	93	.07
22	MUSF	MUSIC	99	.08
23	NURF	NURSING	298	.23
24	PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	226	.18
25	PHRF	PHILOSOPHY & RELIGION	6	.01
26	PHYF	PHYSICAL SCIENCE	14	.01
27	PSYF	PSYCHOLOGY	165	.13
28	RECF	RECREATION	188	.15
29	SOCF	SOCIOLOGY	38	.03
30	SWKF	SOCIAL WORK	117	.09
31	THRF	THEATRE	26	.02
32			4318	
33				
34				
35		RAW SCORE		
36		RANGE = 6 - 1269		
37		MEAN = 139		
38		σ = 231		
39				
40				

VARIABLE C: GRADUATE CREDIT-PERSON HOURS

CHART 3

ALLOCATION FORMULA, FY 1981-82

	FUND CODE	DEPARTMENT	RAW SCORES	VARIABLE C = RS/1264
1	ARTF	ART	102	.08
2	BIOF	BIOLOGY	20	.02
3	BUSF	BUSINESS	354	.28
4	CHMF	CHEMISTRY	37	.03
5	COMF	COMMUNICATION DISORDERS	106	.08
6	DANF	DANCE	5	.01
7	EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	307	.24
8	ECOF	ECONOMICS	54	.04
9	ECSF	EDUCATION, COUNSELING & STUDENT DEVELOPMENT	387	.31
10	EHSF	EDUCATION, HUMAN SERVICES	552	.44
11	EISF	EDUCATION, INSTRUCTIONAL SUPPORT	288	.23
12	ENGF	ENGLISH	140	.11
13	ETEF	EDUCATION, TEACHER EDUCATION	470	.37
14	FNLF	FOREIGN LANGUAGE	0	0
15	GGRF	GEOGRAPHY	3	.01
16	GLGF	GEOLOGY	11	.01
17	HECF	HOME ECONOMICS	98	.08
18	HISF	HISTORY	24	.02
19	HPEF	HEALTH & PHYSICAL EDUCATION	137	.11
20	JSTF	JOURNALISM, SPEECH & TELEVISION	15	.01
21	MATF	MATH	77	.06
22	MUSF	MUSIC	121	.10
23	NURF	NURSING	0	0
24	PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	3	.01
25	PHRF	PHILOSOPHY & RELIGION	3	.01
26	PHYF	PHYSICAL SCIENCE	16	.01
27	PSYF	PSYCHOLOGY	1264	1.00
28	RECF	RECREATION	29	.02
29	SOCF	SOCIOLOGY	21	.02
30	SWKF	SOCIAL WORK	3	.01
31	THRF	THEATRE	0	0
32			4648	
33				
34				
35		RAW SCORE		
36		MEAN = 149.9		
37		RANGE = 0 - 1264		
38		σ = 249		
39				
40				

VARIABLE D: NUMBER OF GRADUATE MAJORS

CHART 4

ALLOCATION FORMULA, FY 1981-82

FUND CODE	DEPARTMENT	RAW SCORES	VARIABLE D = RS/127
ARTF	ART	10	.08
BIOF	BIOLOGY	0	0
BUSF	BUSINESS	34	.27
CHMF	CHEMISTRY	0	0
COMF	COMMUNICATIONS DISORDERS	13	.10
DANF	DANCE	0	0
EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	56	.44
ECOF	ECONOMICS	0	0
ECSF	EDUCATION, COUNSELING & STUDENT DEVELOPMENT	17	.13
EHSF	EDUCATION, HUMAN SERVICES	127	1.00
EISF	EDUCATION, INSTRUCTIONAL SUPPORT	38	.30
ENGF	ENGLISH	10	.08
ETEF	EDUCATION, TEACHER EDUCATION	17	.13
FNLF	FOREIGN LANGUAGE	0	0
GGRF	GEOGRAPHY	0	0
GLGF	GEOLOGY	0	0
HECF	HOME ECONOMICS	12	.09
HISF	HISTORY	5	.04
HPEF	HEALTH & PHYSICAL EDUCATION	10	.08
JSTF	JOURNALISM, SPEECH & TELEVISION	0	0
MATF	MATH	7	.06
MUSF	MUSIC	25	.20
NURF	NURSING	0	0
PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	0	0
PHRF	PHILOSOPHY & RELIGION	0	0
PHYF	PHYSICAL SCIENCE	5	.04
PSYF	PSYCHOLOGY	118	.93
RECF	RECREATION	1	.01
SOCF	SOCIOLOGY	0	0
SWKF	SOCIAL WORK	0	0
THRF	THEATRE	0	0

RAW SCORE

MEAN = 16.3

RANGE = 0 - 127

σ = 25.1

VARIABLE E: AVERAGE COST WEIGHTING

CHART 5

ALLOCATION FORMULA, 1981-82

FUND CODE	DEPARTMENT	VARIABLE E: WEIGHT
ARTF	ART	.71
BIOF	BIOLOGY	.88
BUSF	BUSINESS	.65
CHMF	CHEMISTRY	.88
COMF	COMMUNICATIONS DISORDERS	.88
DANF	DANCE	.71
EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	.47
ECOF	ECONOMICS	1.00
ECSF	EDUCATION, COUNSELING & STUDENT DEVELOPMENT	.47
EHSF	EDUCATION, HUMAN SERVICES	.47
EISF	EDUCATION, INSTRUCTIONAL SUPPORT	.47
ENGF	ENGLISH	.59
ETEF	EDUCATION, TEACHER EDUCATION	.47
FNLF	FOREIGN LANGUAGE	.59
GGRF	GEOGRAPHY	.57
GLGF	GEOLOGY	.88
HECF	HOME ECONOMICS	.38
HISF	HISTORY	.58
HPEF	HEALTH AND PHYSICAL EDUCATION	.43
JSTF	JOURNALISM, SPEECH & TELEVISION	.75
MATF	MATH	.88
MUSF	MUSIC	.83
NURF	NURSING	.84
PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	1.00
PHRF	PHILOSOPHY & RELIGION	.50
PHYF	PHYSICAL SCIENCE	.88
PSYF	PSYCHOLOGY	.50
RECF	RECREATION	.43
SOCF	SOCIOLOGY	1.00
SWKF	SOCIAL WORK	1.00
THRF	THEATRE	.71

VARIABLE F: PUBLISHING OUTPUT WEIGHTING

CHART 6

ALLOCATION FORMULA, 1981-82

	FUND CODE	DEPARTMENT	VARIABLE F: WEIGHT
1	ARTF	ART	1.4
2	BIOF	BIOLOGY	1.
3	BUSF	BUSINESS	1.4
4	CHMF	CHEMISTRY	1.4
5	COMF	COMMUNICATIONS DISORDERS	1.6
6	DANF	DANCE	1.4
7	EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	1.4
8	ECOF	ECONOMICS	1.8
9	ECSF	EDUCATION, COUNSELING & STUDENT DEVELOPMENT	1.4
10	EHSF	EDUCATION, HUMAN SERVICES	1.4
11	EISF	EDUCATION, INSTRUCTIONAL SUPPORT	1.4
12	ENGF	ENGLISH	1.5
13	ETEF	EDUCATION, TEACHER EDUCATION	1.4
14	FNLF	FOREIGN LANGUAGE	1.4
15	GGRF	GEOGRAPHY	1.2
16	GLGF	GEOLOGY	1.4
17	HECF	HOME ECONOMICS	1.4
18	HISF	HISTORY	1.6
19	HPEF	HEALTH & PHYSICAL EDUCATION	1.4
20	JSTF	JOURNALISM, RADIO & TELEVISION	1.5
21	MATF	MATH	1.5
22	MUSF	MUSIC	1.4
23	NURF	NURSING	1.6
24	PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	1.5
25	PHRF	PHILOSOPHY & RELIGION	1.4
26	PHYF	PHYSICAL SCIENCE	1.
27	PSYF	PSYCHOLOGY	1.4
28	RECF	RECREATION	1.4
29	SOCF	SOCIOLOGY	1.8
30	SWKF	SOCIAL WORK	1.8
31	THRF	THEATRE	1.4
32			
33			
34			
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39			
40			

VARIABLE G: IMPORTANCE OF BOOKS OVER SERIALS

CHART 7

ALLOCATION FORMULA, FY 1981-82

	FUND CODE	DEPARTMENT	VARIABLE G: WEIGHT
1	ARTF	ART	1.0
2	BIOF	BIOLOGY	.8
3	BUSF	BUSINESS	.5
4	CHMF	CHEMISTRY	.8
5	COMF	COMMUNICATIONS DISORDERS	.5
6	DANF	DANCE	1.0
7	EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	.8
8	ECOF	ECONOMICS	1.0
9	ECSF	EDUCATION, COUNSELING & STUDENT DEVELOPMENT	.8
10	EHSF	EDUCATION, HUMAN SERVICES	.8
11	EISF	EDUCATION, INSTRUCTIONAL SUPPORT	.8
12	ENGF	ENGLISH	.9
13	ETEF	EDUCATION, TEACHER EDUCATION	.8
14	FNLF	FOREIGN LANGUAGE	.9
15	GGRF	GEOGRAPHY	.8
16	GLGF	GEOLOGY	.9
17	HECF	HOME ECONOMICS	.9
18	HISF	HISTORY	1.0
19	HPEF	HEALTH & PHYSICAL EDUCATION	.8
20	JSTF	JOURNALISM, SPEECH & TELEVISION	.9
21	MATF	MATH	1.0
22	MUSF	MUSIC	1.0
23	NURF	NURSING	.7
24	PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	.8
25	PHRF	PHILOSOPHY & RELIGION	1.0
26	PHYF	PHYSICAL SCIENCE	.9
27	PSYF	PSYCHOLOGY	.6
28	RECF	RECREATION	.7
29	SOCF	SOCIOLOGY	.9
30	SWKF	SOCIAL WORK	.9
31	THRF	THEATRE	1.0
32			
33			
34			
35			
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37			
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39			
40			

VARIABLE H: LOCAL LIBRARY USE

CHART 8

ALLOCATION FORMULA, FY 1981-82

	FUND CODE	DEPARTMENT	VARIABLE H WEIGHT
1	ARTF	ART	1.5
2	BIOF	BIOLOGY	1.4
3	BUSF	BUSINESS	1.6
4	CHMF	CHEMISTRY	1.2
5	COMF	COMMUNICATIONS DISORDERS	1.5
6	DANF	DANCE	1.4
7	EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	1.8
8	ECOF	ECONOMICS	1.5
9	ECSF	EDUCATION, COUNSELING & STUDENT DEVELOPMENT	1.7
10	EHSF	EDUCATION, HUMAN SERVICES	1.7
11	EISF	EDUCATION, INSTRUCTIONAL SUPPORT	1.7
12	ENGF	ENGLISH	2.0
13	ETEF	EDUCATION, TEACHER EDUCATION	2.0
14	FNLF	FOREIGN LANGUAGE	1.3
15	GGRF	GEOGRAPHY	1.6
16	GLGF	GEOLOGY	1.6
17	HECF	HOME ECONOMICS	1.8
18	HISF	HISTORY	2.0
19	HPEF	HEALTH & PHYSICAL EDUCATION	1.6
20	JSTF	JOURNALISM, SPEECH & TELEVISION	1.5
21	MATF	MATH	.5
22	MUSF	MUSIC	2.0
23	NURF	NURSING	1.8
24	PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	1.6
25	PHRF	PHILOSOPHY & RELIGION	1.4
26	PHYF	PHYSICAL SCIENCE	1.2
27	PSYF	PSYCHOLOGY	1.8
28	RECF	RECREATION	1.7
29	SOCF	SOCIOLOGY	1.9
30	SWKF	SOCIAL WORK	1.6
31	THRF	THEATRE	1.8
32			
33			
34			
35			
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39			
40			

SUBCALCULATIONS ON ALLOCATION INDEX VALUE — CHART 9

ALLOCATION FORMULA, FY 1981-82

	FUND CODE	DEPARTMENT	A + B	C + D	[(A+B)+2(C+D)]
1	ARTF	ART	.44	.16	.76
2	BIOF	BIOLOGY	.56	.02	.60
3	BUSF	BUSINESS	2.00	.55	3.10
4	CHMF	CHEMISTRY	.23	.03	.29
5	COMF	COMMUNICATIONS DISORDERS	.25	.18	.61
6	DANF	DANCE	.09	.01	.11
7	EALF	EDUCATION, ADMINISTRATION & LEADERSHIP	.01	.68	1.37
8	ECOF	ECONOMICS	.34	.04	.42
9	ECSF	EDUCATION, COUNSELING & STUDENT SERVICES	.02	.44	.90
10	EHSF	EDUCATION, HUMAN SERVICES	.27	1.44	3.15
11	EISF	EDUCATION, INSTRUCTIONAL SUPPORT	.13	.53	1.19
12	ENGF	ENGLISH	.94	.19	1.32
13	ETEF	EDUCATION, TEACHER EDUCATION	.47	.50	1.47
14	FNLF	FOREIGN LANGUAGE	.18	0	.18
15	GGRF	GEOGRAPHY	.18	.01	.20
16	GLGF	GEOLOGY	.24	.01	.26
17	HECF	HOME ECONOMICS	.41	.17	.75
18	HISF	HISTORY	.49	.06	.61
19	HPEF	HEALTH & PHYSICAL EDUCATION	.53	.19	.91
20	JSTF	JOURNALISM, SPEECH & TELEVISION	.36	.01	.38
21	MATF	MATH	.94	.12	1.18
22	MUSF	MUSIC	.48	.30	1.08
23	NURF	NURSING	.41	0	.41
24	PCJF	POLITICAL SCIENCE & CRIMINAL JUSTICE	.37	.01	.39
25	PHRF	PHILOSOPHY & RELIGION	.18	.01	.20
26	PHYF	PHYSICAL SCIENCE	.17	.05	.27
27	PSYF	PSYCHOLOGY	.86	1.93	4.72
28	RECF	RECREATION	.33	.03	.39
29	SOCF	SOCIOLOGY	.45	.02	.49
30	SWKF	SOCIAL WORK	.19	.01	.21
31	THRF	THEATRE	.12	0	.12
32					
33					
34					
35					
36					
37					
38					
39					
40					

CALCULATION OF THE ALLOCATION INDEX VALUE

CHART 10

ALLOCATION FORMULA, FY 1981-82

$V = [(A+B) + 2(C+D)][E][F][G][H]$

	FUND CODE	DEPARTMENT	1 [(A+B)+2(C+D)]	2 E	3 F	4 G	5 H	6 V	
1	ARTF	ART	.76	.71	1.4	1.0	1.5	1.15	1
2	BIOF	BIOLOGY	.60	.86	1.4	.8	1.4	.85	2
3	BUSF	BUSINESS	3.10	.65	1.4	.5	1.6	2.26	3
4	CHMF	CHEMISTRY	.29	.88	1.4	.8	1.2	.34	4
5	COMF	COMM. DISORDERS	.61	.86	1.6	.5	1.5	.64	5
6	DANF	DANCE	.11	.71	1.4	1.0	1.4	.15	6
7	EALF	ED. ADMIN & LEAD.	1.37	.67	1.4	.8	1.4	1.30	7
8	ECOF	ECONOMICS	.42	.80	1.4	1.0	1.5	1.13	8
9	ECSF	ED., COUN. & STU. DEV.	.90	.71	1.4	.8	1.7	.91	9
10	EHSF	ED., HUMAN SERVICES	3.15	.67	1.4	.8	1.7	2.82	10
11	EISF	ED., INSTR. SUPPORT	1.19	.67	1.4	.8	1.7	1.06	11
12	ENGF	ENGLISH	1.32	.59	1.5	.9	2.0	2.10	12
13	ETEF	ED., TEACHER EDUC.	1.47	.67	1.4	.8	2.0	1.55	13
14	FNLF	FOREIGN LANGUAGE	.18	.59	1.4	.9	1.3	.17	14
15	GGRF	GEOGRAPHY	.20	.57	1.2	.8	1.6	.18	15
16	GLGF	GEOLOGY	.26	.88	1.4	.9	1.6	.46	16
17	HECF	HOME ECONOMICS	.75	.38	1.4	.9	1.8	.65	17
18	HISF	HISTORY	.61	.58	1.6	1.0	2.0	1.13	18
19	HPEF	HEALTH & PHYS. ED.	.91	.43	1.4	.8	1.6	.70	19
20	JSTF	JOURNALISM, SPCH & TV	.38	.75	1.5	.9	1.5	.58	20
21	MATF	MATH	1.18	.58	1.5	1.0	.5	.78	21
22	MUSF	MUSIC	1.08	.83	1.4	1.0	2.0	2.51	22
23	NURF	NURSING	.41	.84	1.6	.7	1.8	.64	23
24	PCJF	POL. SCI. & CRIM. JUST.	.34	1.00	1.5	.8	1.6	.75	24
25	PHRF	PHILOSOPHY & RELIGION	.20	.50	1.4	1.0	1.4	.20	25
26	PHYF	PHYSICAL SCIENCE	.27	.88	1.4	.9	1.2	.36	26
27	PSYF	PSYCHOLOGY	4.72	.50	1.4	.6	1.8	3.57	27
28	RECF	RECREATION	.34	.43	1.4	.7	1.7	.28	28
29	SOCF	SOCIOLOGY	.49	1.00	1.8	.9	1.9	1.51	29
30	SWKF	SOCIAL WORK	.21	1.00	1.8	.9	1.6	.54	30
31	THRF	THEATRE	.12	.71	1.4	1.0	1.8	.21	31
32									32
33									33
34									34
35									35
36									36
37									37
38									38
39									39
40									40

FINAL ALLOCATION SUMMARY, FY 1981-82 CHART II

	FUND CODE	DEPARTMENT	ALLOCATION INDEX VALUE	FUNDING PERCENTAGE	INITIAL FUNDING $60,000	MINIMUM FUNDING ADJUSTMENT	DEVELOPMENTAL FUNDING	FINAL ALLOCATION
1	ARTF	ART	1,13	3,6	$ 2160	$	$	$ 2160
2	BIOF	BIOLOGY	,83	2,6	1560			1560
3	BUSF	BUSINESS	2,26	7,2	4320			4320
4	CHMF	CHEMISTRY	,34	1,1	660	840		1500
5	COMF	COMM DISORDERS	,49	2,0	1200	300		1500
6	DANF	DANCE	,15	,5	300	1200		1500
7	EALF	ED, ADMIN & LEAD	1,30	4,1	2460			2460
8	ECOF	ECONOMICS	1,13	3,6	2160			2160
9	ECSF	ED, COUN & SPC SVC	,91	2,6	1560		2285	3845
10	EHSF	ED, HUMAN SERVICES	2,82	9,0	5400			5400
11	EISF	ED, INST. SUPPORT	1,06	3,4	2040			2040
12	ENGF	ENGLISH	2,10	6,7	4020			4020
13	ETEF	ED, TEACHER EDUC	1,55	4,9	2940			2940
14	FNLF	FOREIGN LANGUAGE	,17	,6	360	1140		1500
15	GGRF	GEOGRAPHY	,18	,6	360	1140		1500
16	GLGF	GEOLOGY	,46	1,5	900	600	2285	3785
17	HECF	HOME ECONOMICS	,65	2,1	1260	240	2285	3785
18	HISF	HISTORY	1,13	3,6	2160		2290	4450
19	HPEF	HEALTH & PHYS ED	,70	2,2	1320	180	2285	3785
20	JSTF	JOURNALISM, SPCH & TV	,58	1,8	1080	420		1500
21	MATF	MATH	,78	2,5	1500			1500
22	MUSF	MUSIC	2,51	8,0	4800			4800
23	NURF	NURSING	,69	2,2	1320	180	2285	3785
24	PCJF	POL SCI & CRIM JUST	,15	2,4	1440	60		1500
25	PHRF	PHILOSOPHY & RELIGION	,20	,6	360	1140		1500
26	PHYF	PHYSICAL SCIENCE	,36	1,1	660	840		1500
27	PSYF	PSYCHOLOGY	3,51	11,4	6840	-800		6040
28	RECF	RECREATION	,23	,4	540	960		1500
29	SOCF	SOCIOLOGY	1,51	4,8	2880		2285	5165
30	SWKF	SOCIAL WORK	,54	1,7	1020	480		1500
31	THRF	THEATRE	,21	,7	420	1080		1500
32								
33		TOTALS	31,39	100,0	$60,000	$10,000	$16,000	$86,000
34								
35								
36								
37								
38								
39								
40								